

Fig. 1

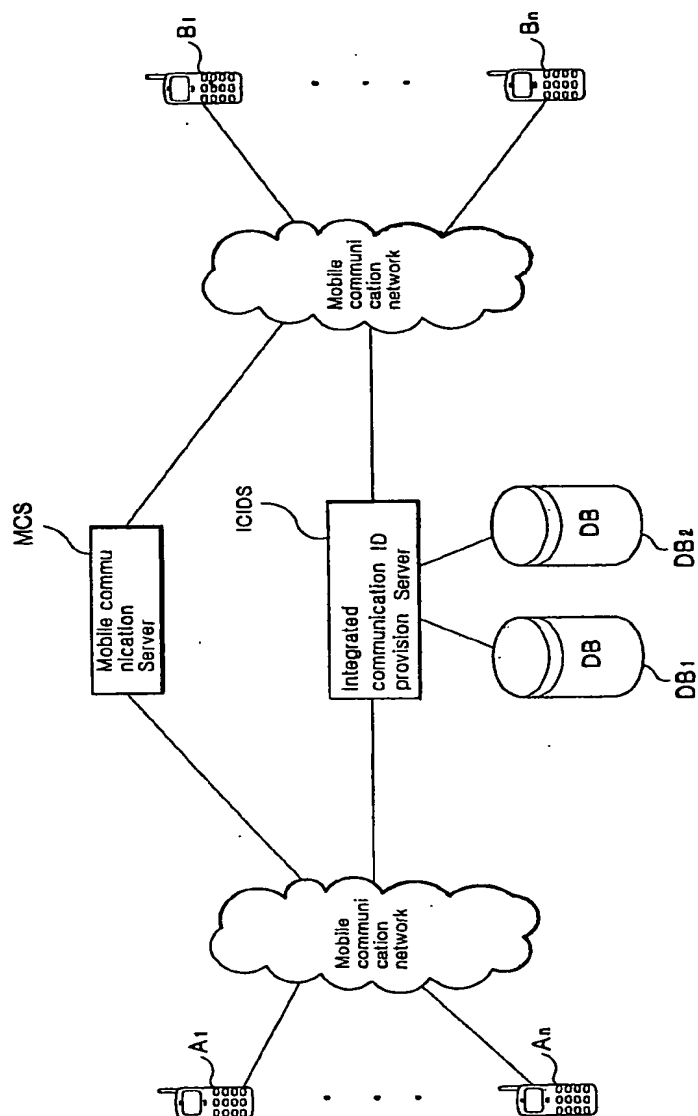


Fig. 2a

Diagram illustrating a database table structure (DB TABLE) with three rows of data. The table is labeled 10. The first row is labeled 12. The second row is labeled 14. The third row is labeled 16. The fourth row is labeled 18. The fifth row is labeled 20. The sixth row is labeled 22.

DB TABLE	
• Pinetree	1. 011-123-4567(Mobile phone) 2. 02-123-4567(Home) 3. 02-123-8901(Office) 4. www.Hong Dong. Co.kr(Homepage) 5. Hong Dong @ mails.net(E-mail)
• 1004Pinetree	1. 011-123-4567(Mobile phone) 2. 02-123-4567(Home) 3. 02-123-8901(Office) 4. www.Hong Dong. Co.kr(Homepage) 5. Honggildong @ mails.net(E-mail)
★ Honggildong	

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Fig. 2b

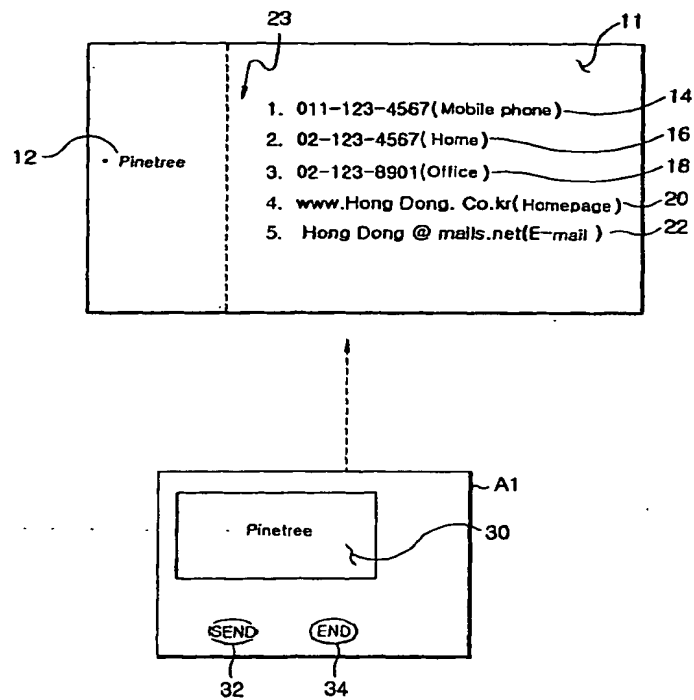


Fig. 3

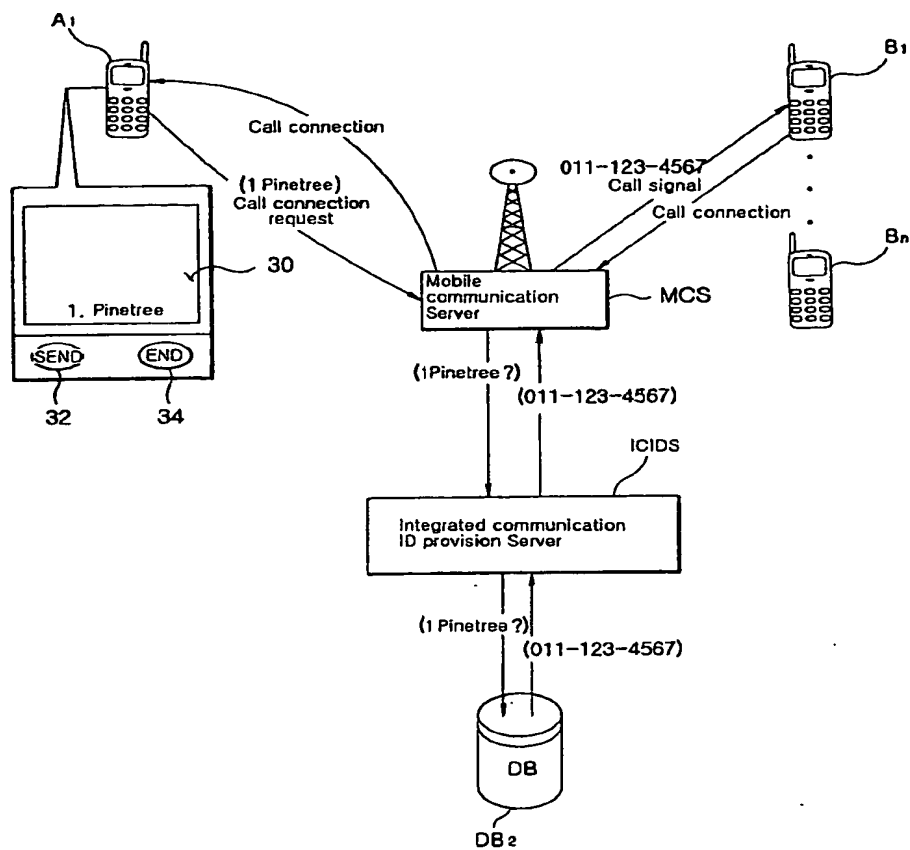


Fig. 4

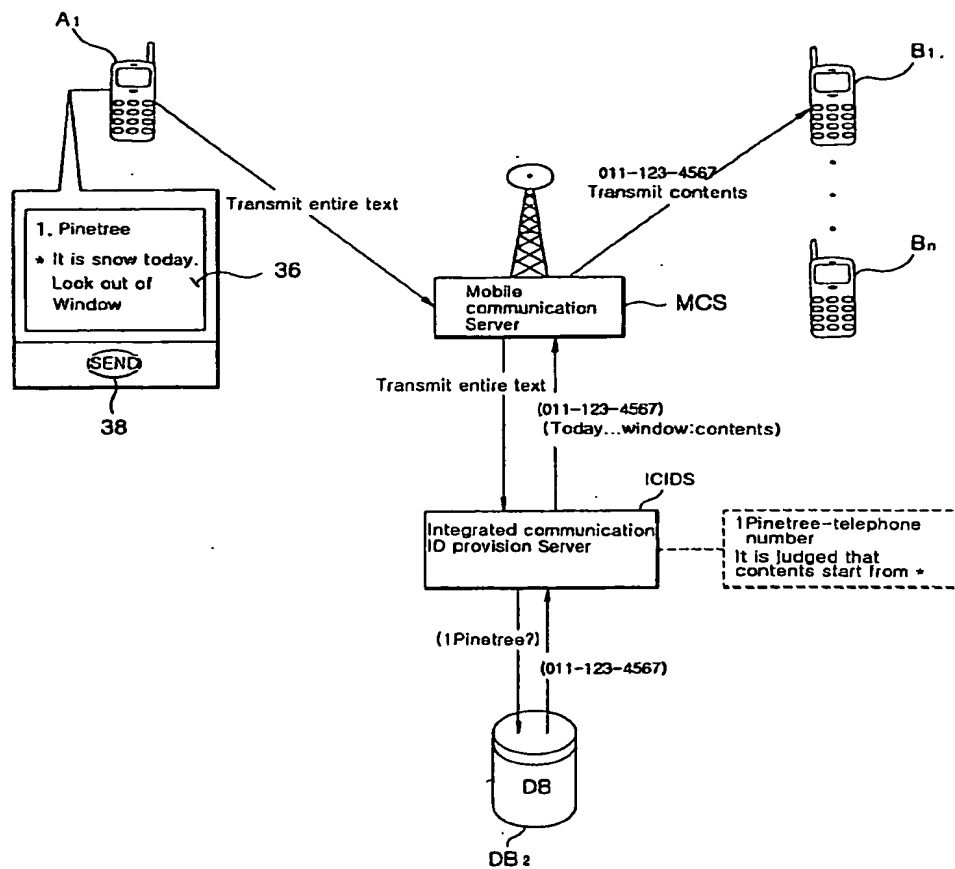


Fig. 5a

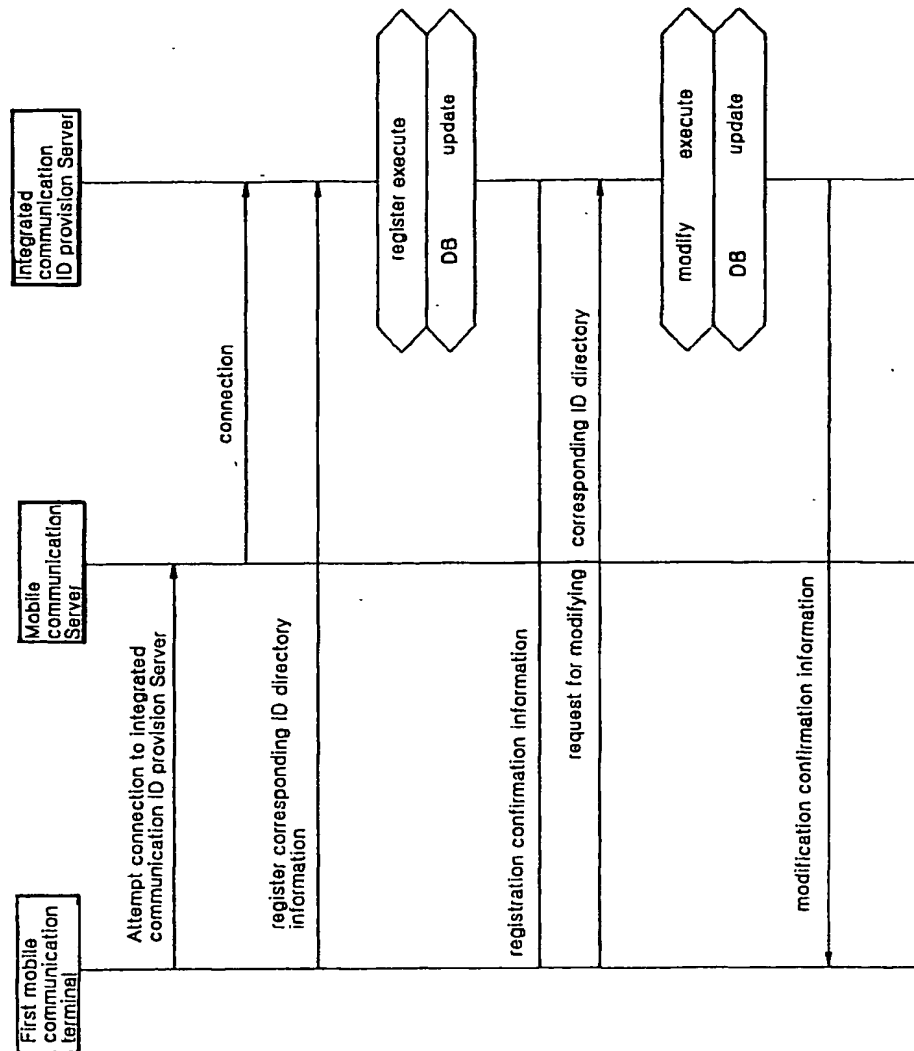


Fig. 5b

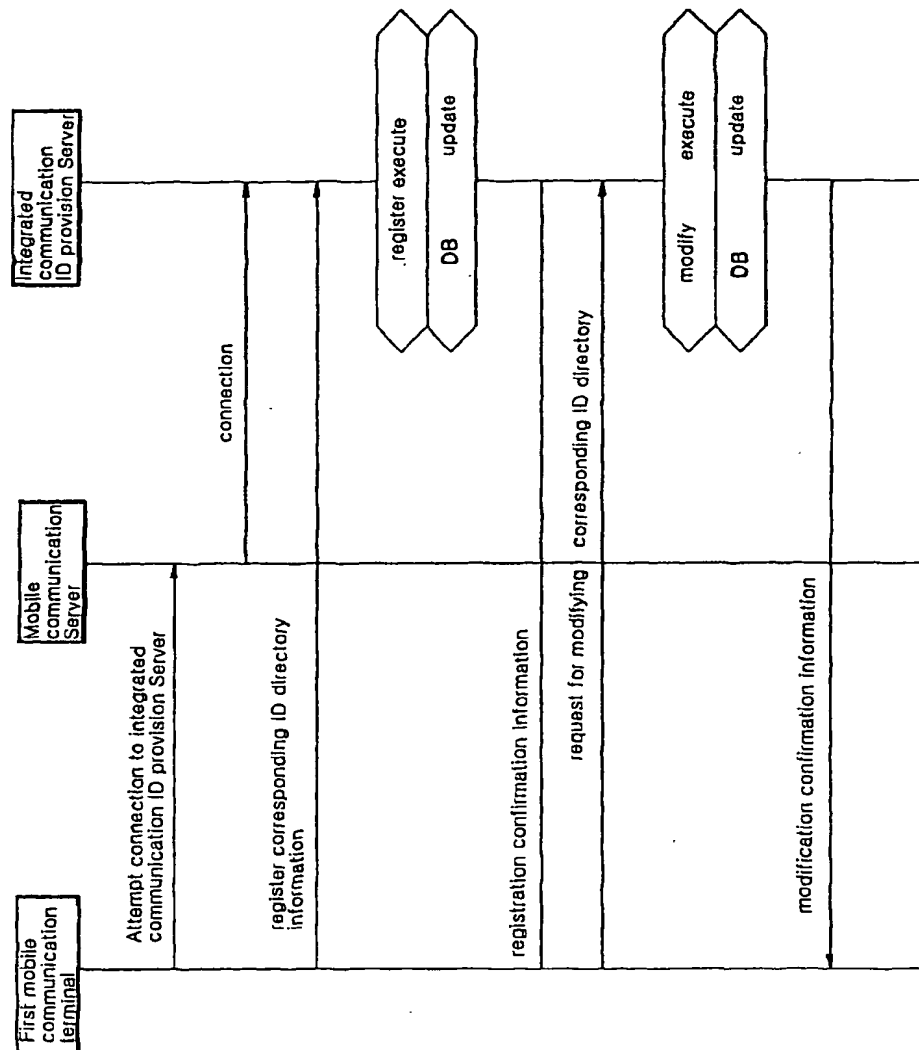


Fig. 5c

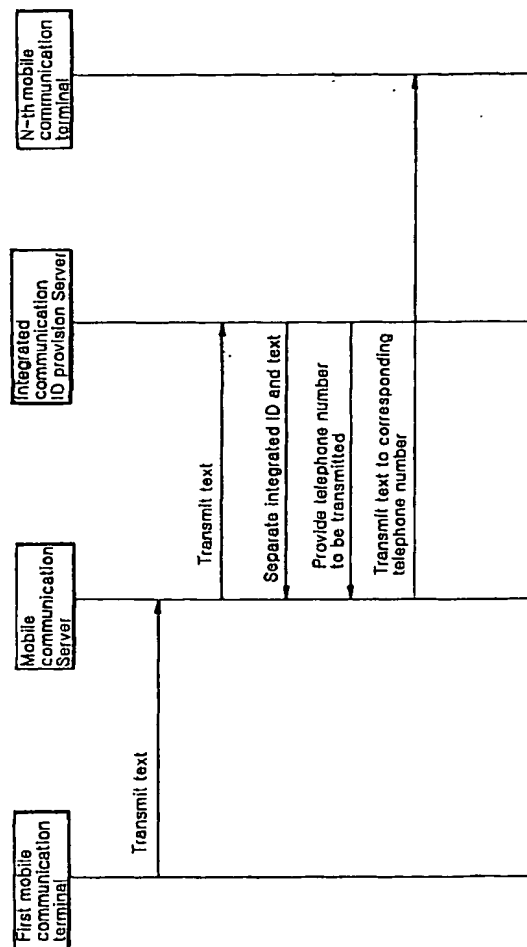
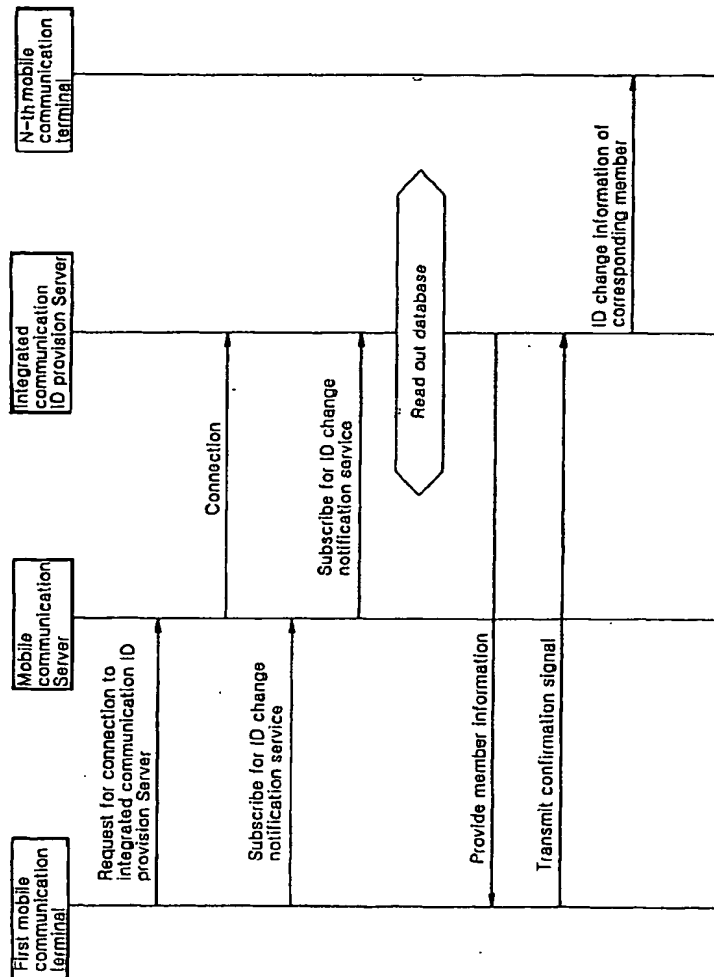


Fig. 5d



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Fig. 5e

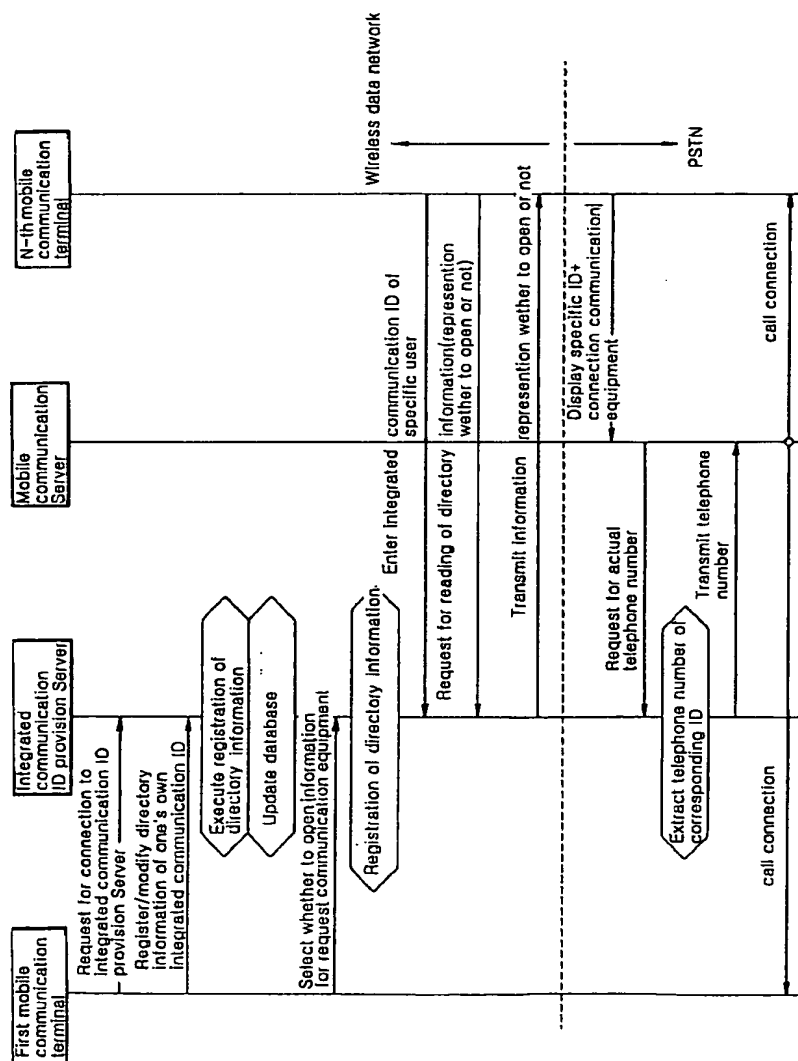


Fig. 6a

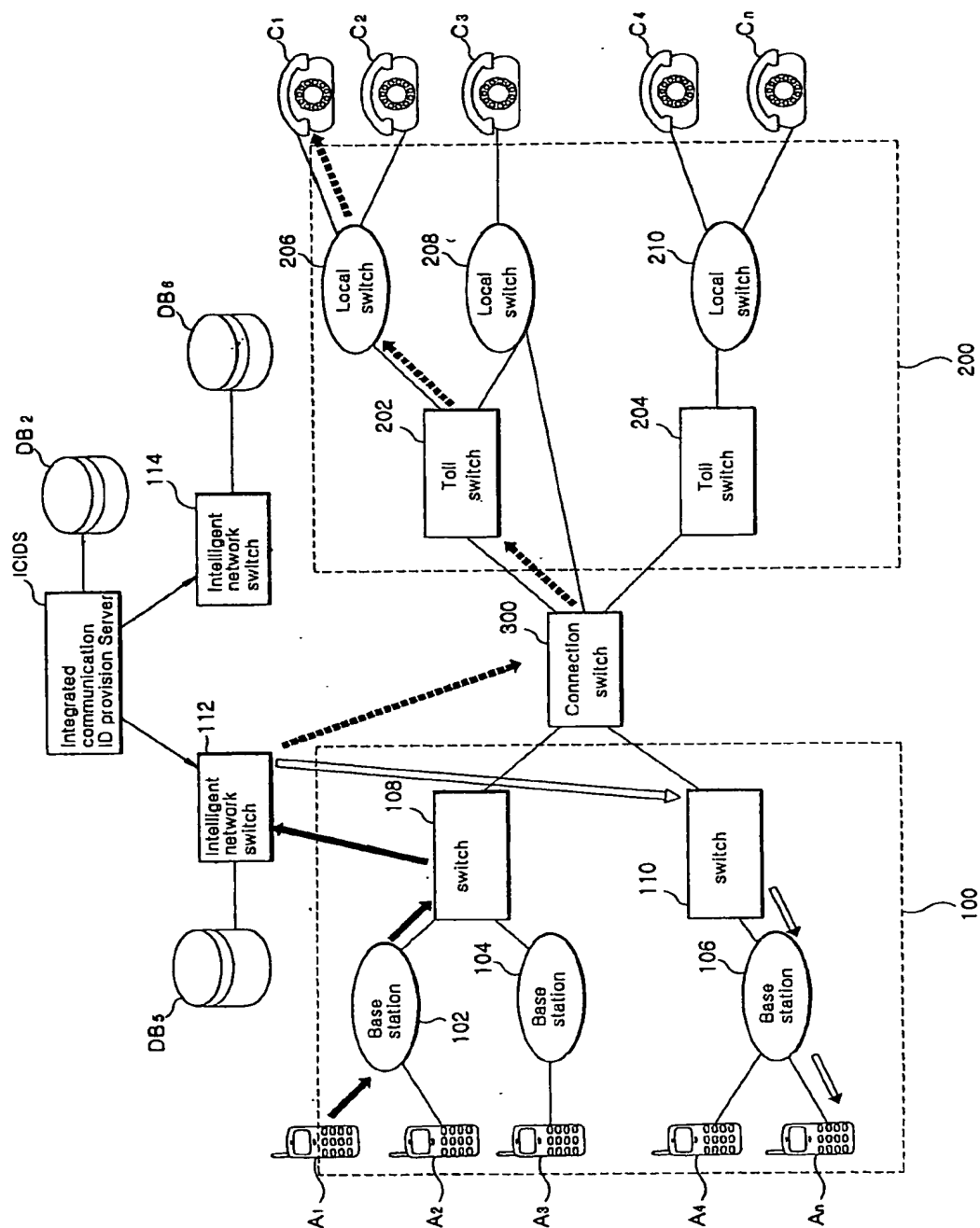
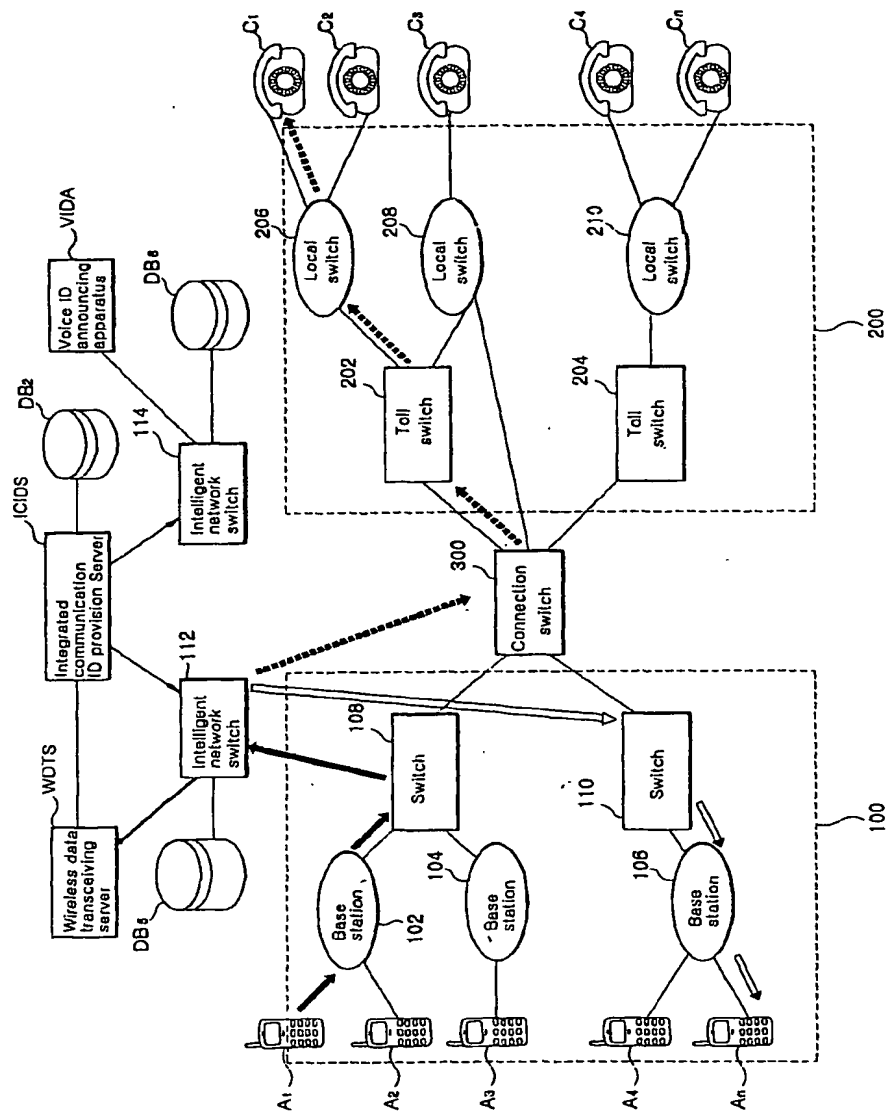


Fig. 6b



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Fig. 6c

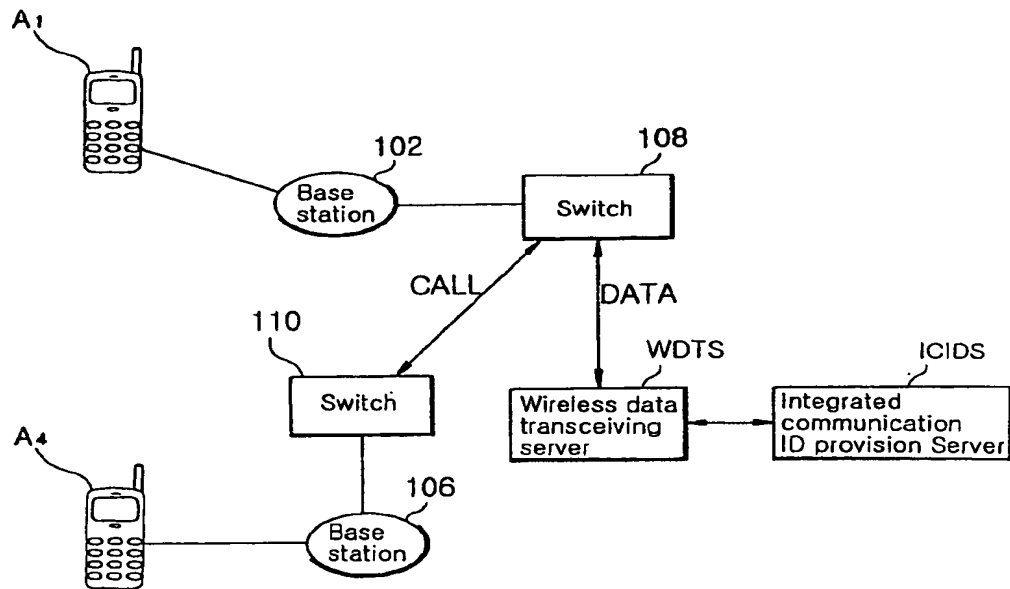


Fig. 6d

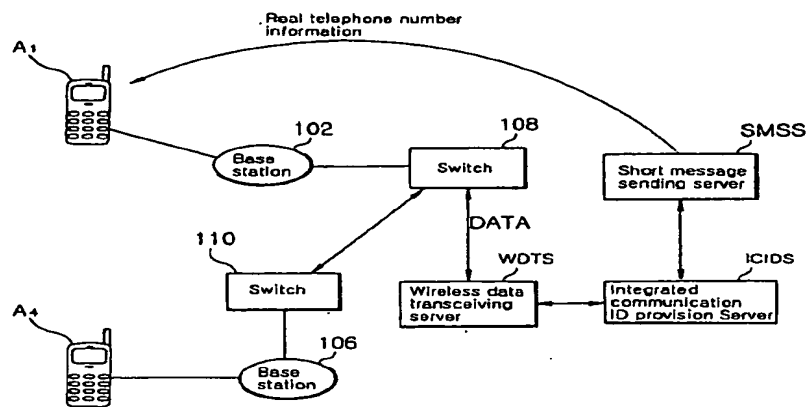
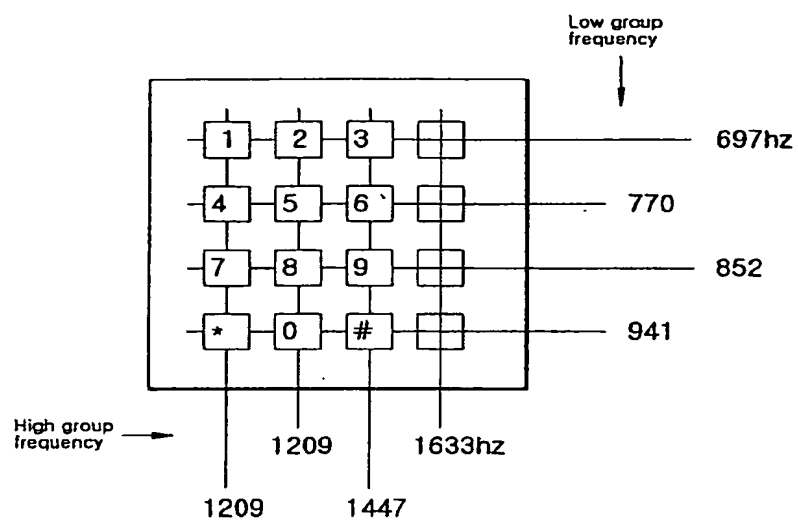
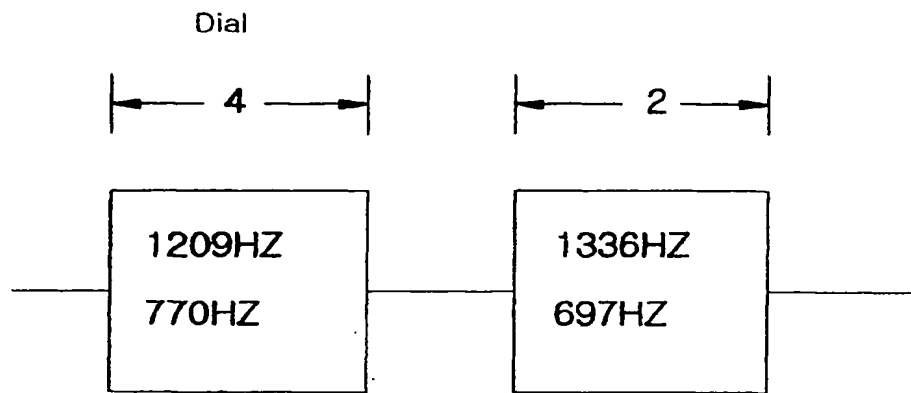


Fig. 7a



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Fig. 7b



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Fig. 8a

ㄱ	ㄴ	ㄷ	ㄹ	ㅁ	ㅂ	ㅅ	ㅇ	.
10	11	12	13	14	15	16	17	.
.	.	.	.					
ㅊ	ㅋ	ㆁ	ㆂ	ㆃ	ㆄ	ㆅ	ㆆ	.
30	31	32	33	34	35	36	37	.
.	.	.	.					



Enter 'pinetree'



Convert 163411301536

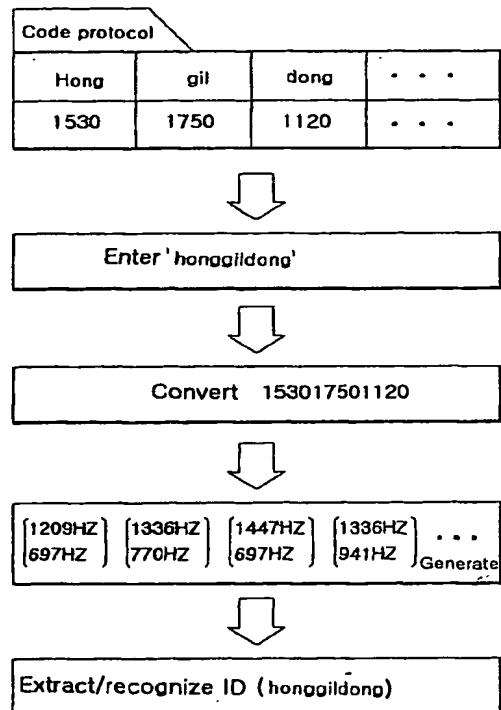


(1209HZ)	(1209HZ)	(1447HZ)	(1209HZ)	...
(697HZ)	(941HZ)	(697HZ)	(770HZ)	Generate



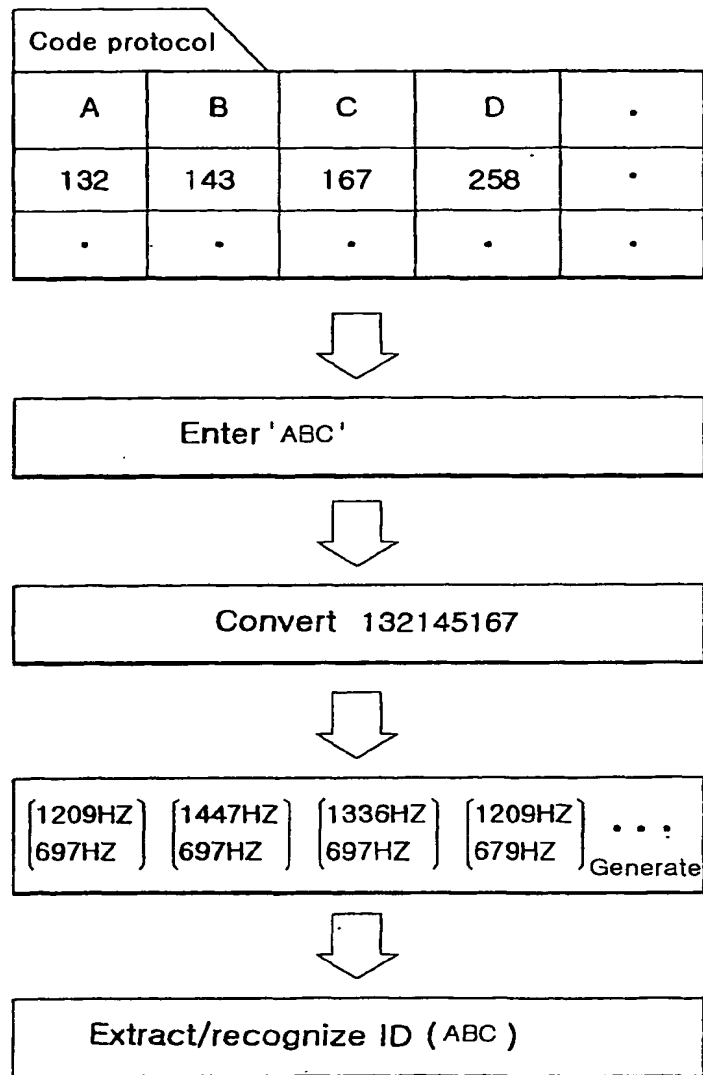
Extract/recognize ID (pinetree)

Fig. 8b



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Fig. 8c



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Fig. 9

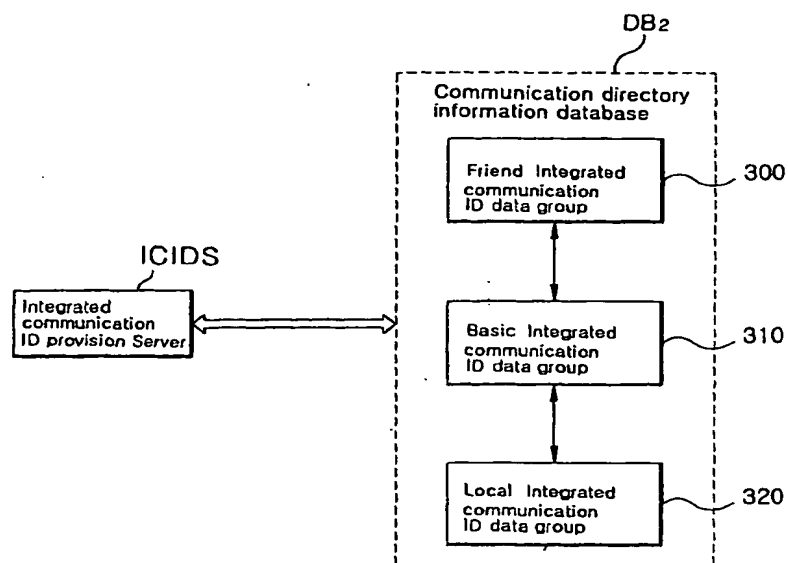


Fig. 10

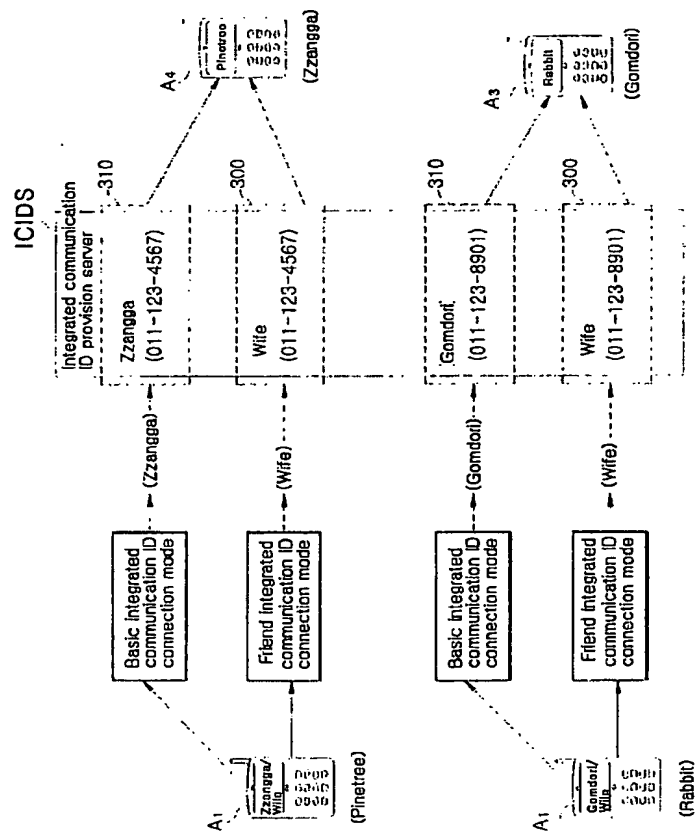


Fig. 11

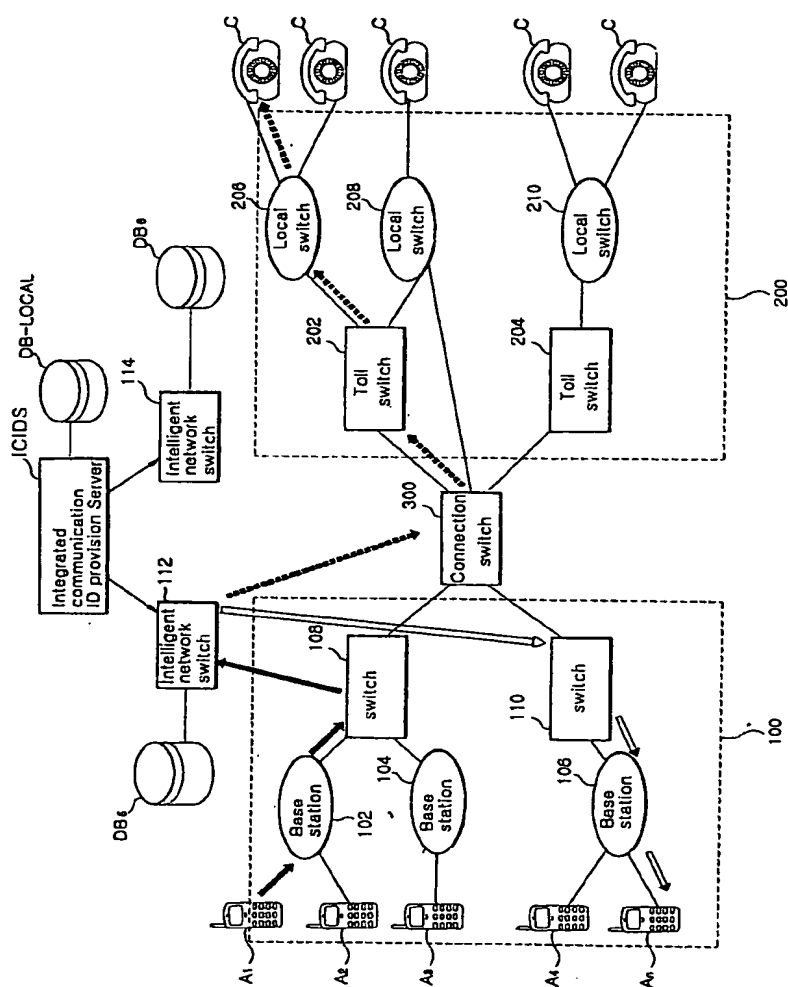


Fig. 12

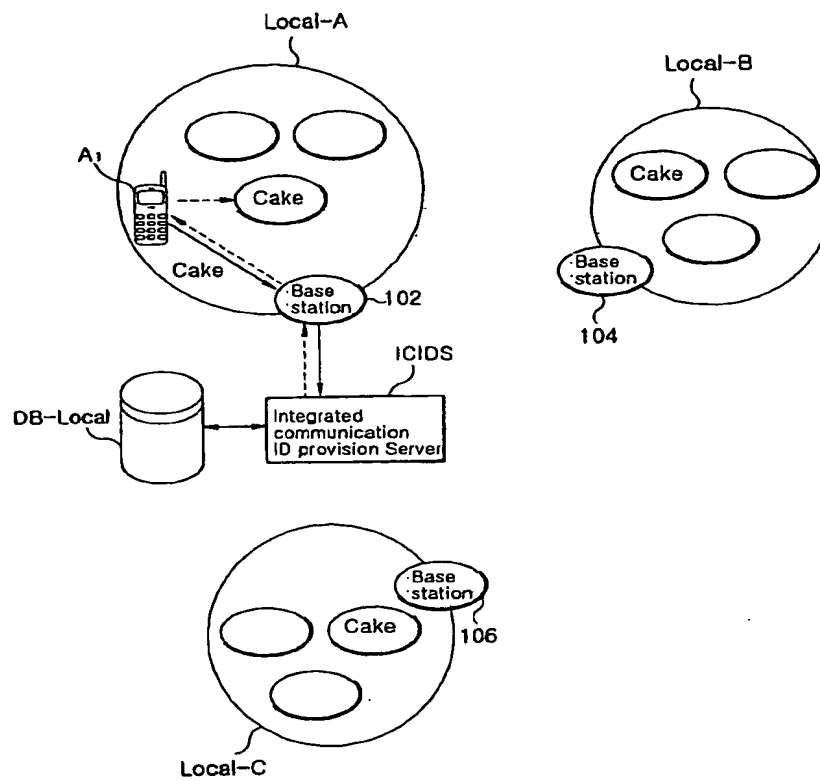


Fig. 13

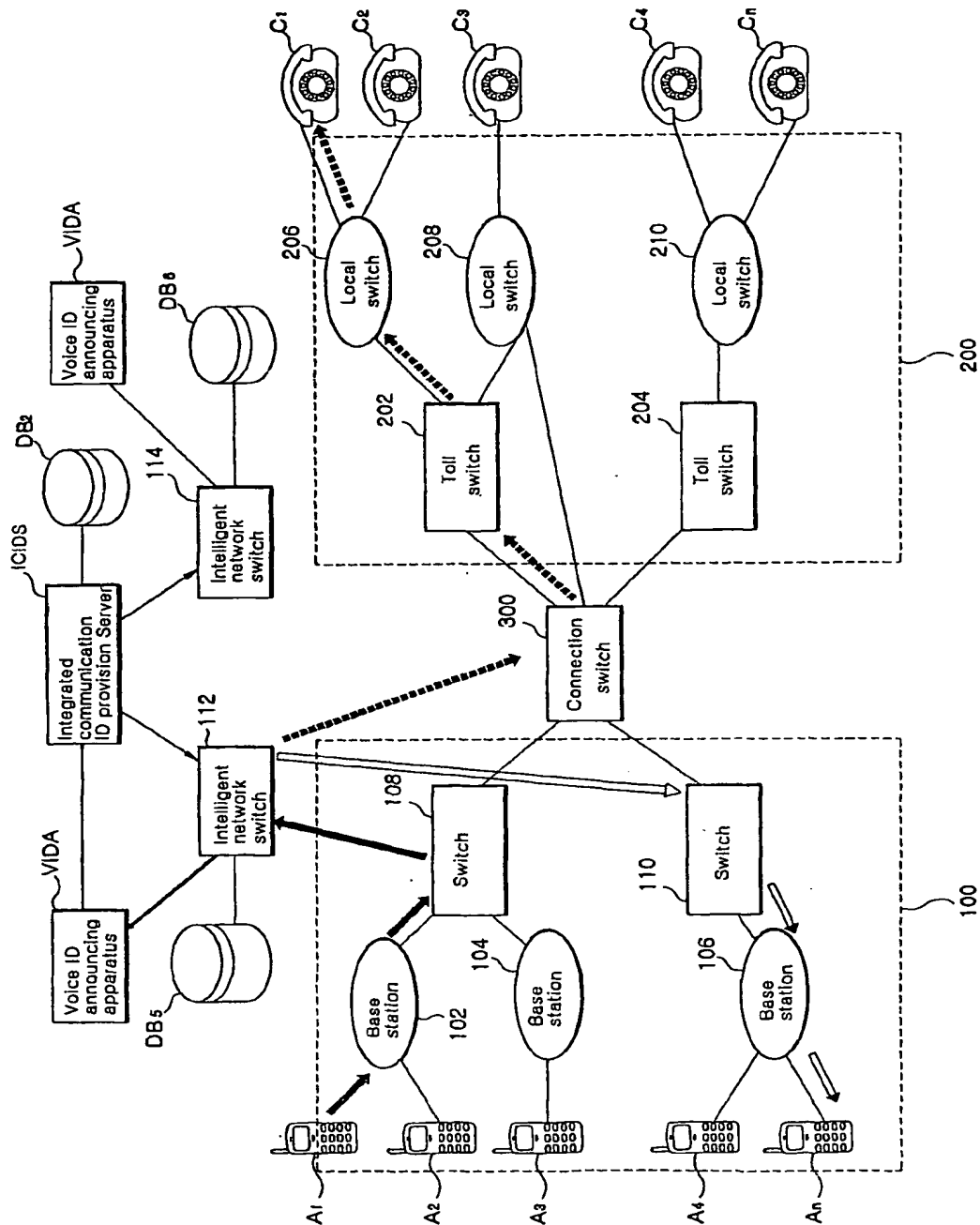


Fig. 14

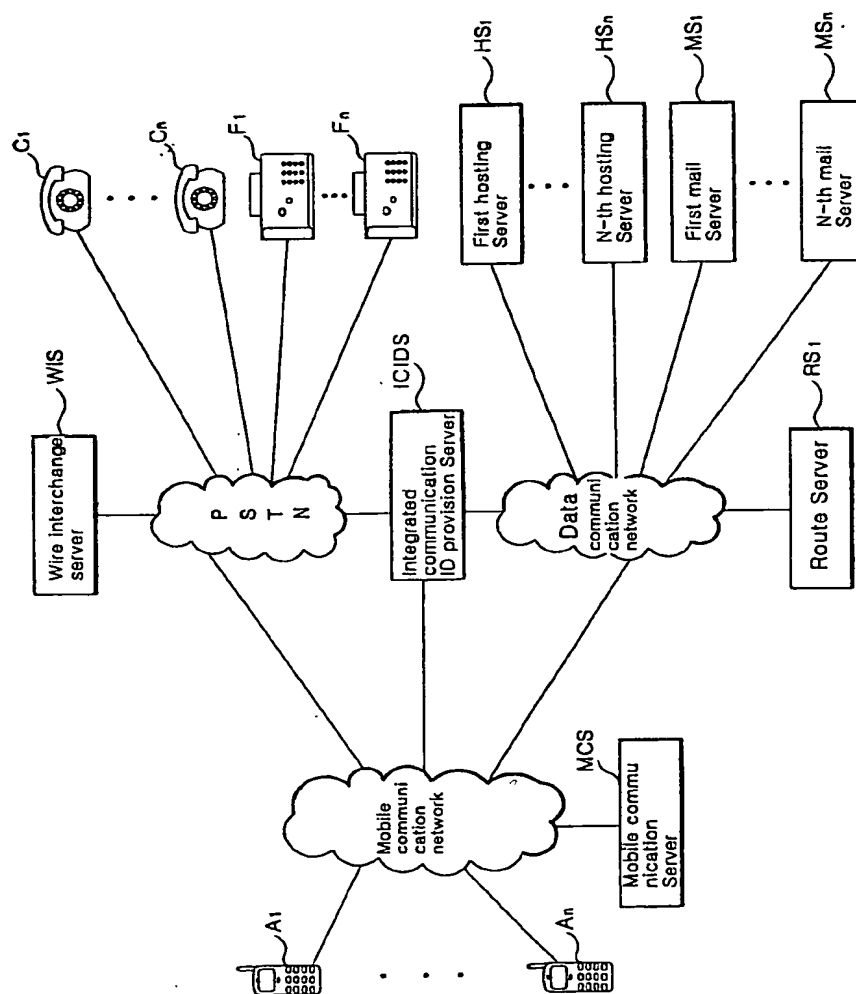


Fig. 15

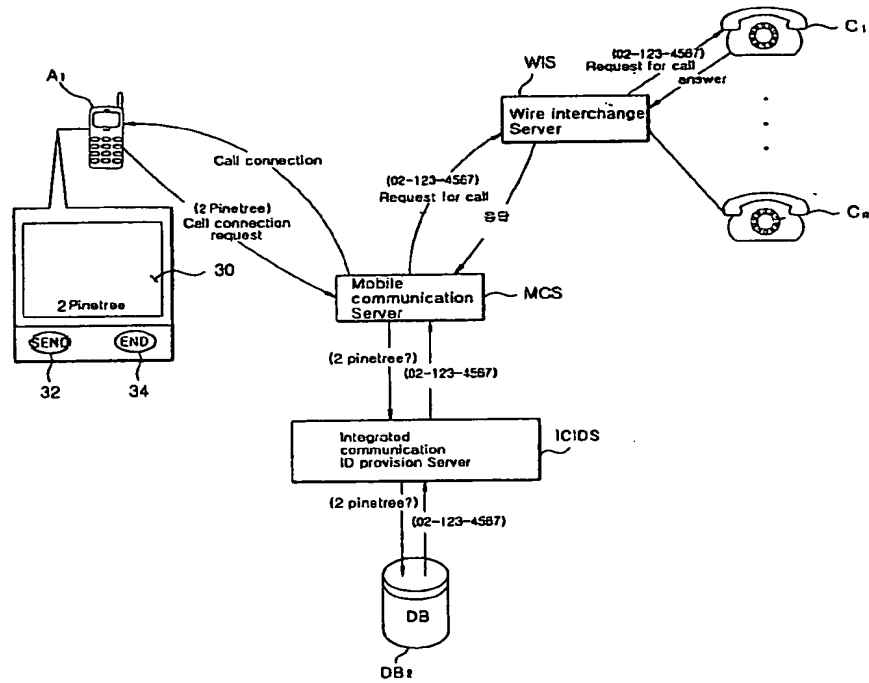


Fig. 16

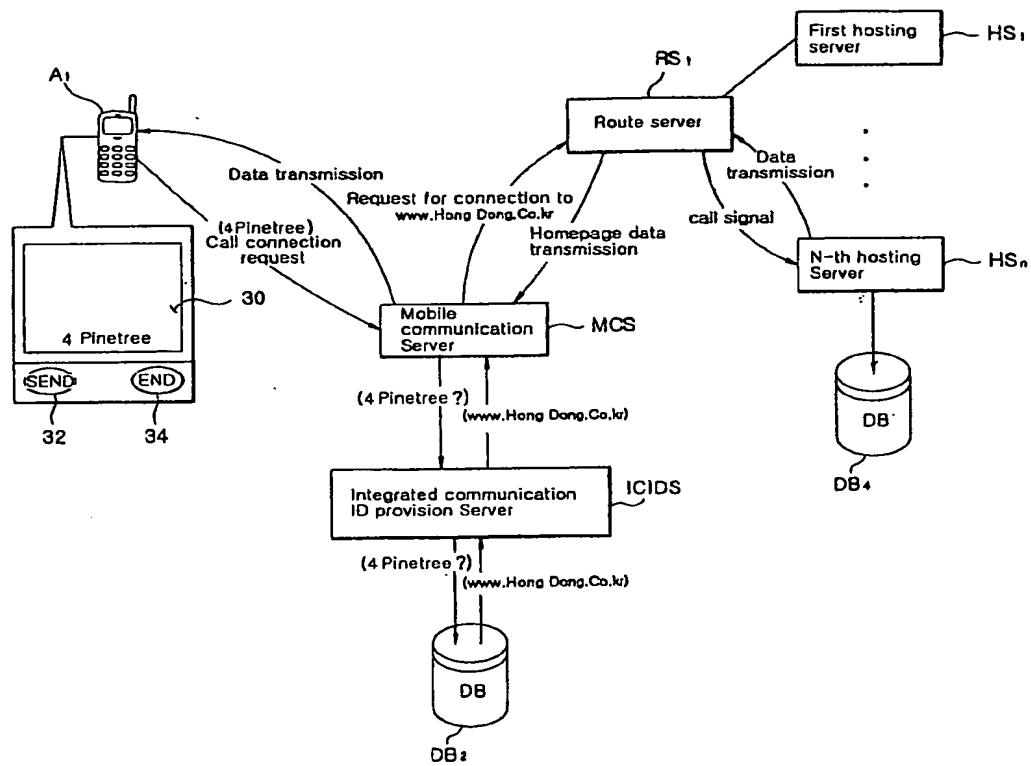


Fig. 17

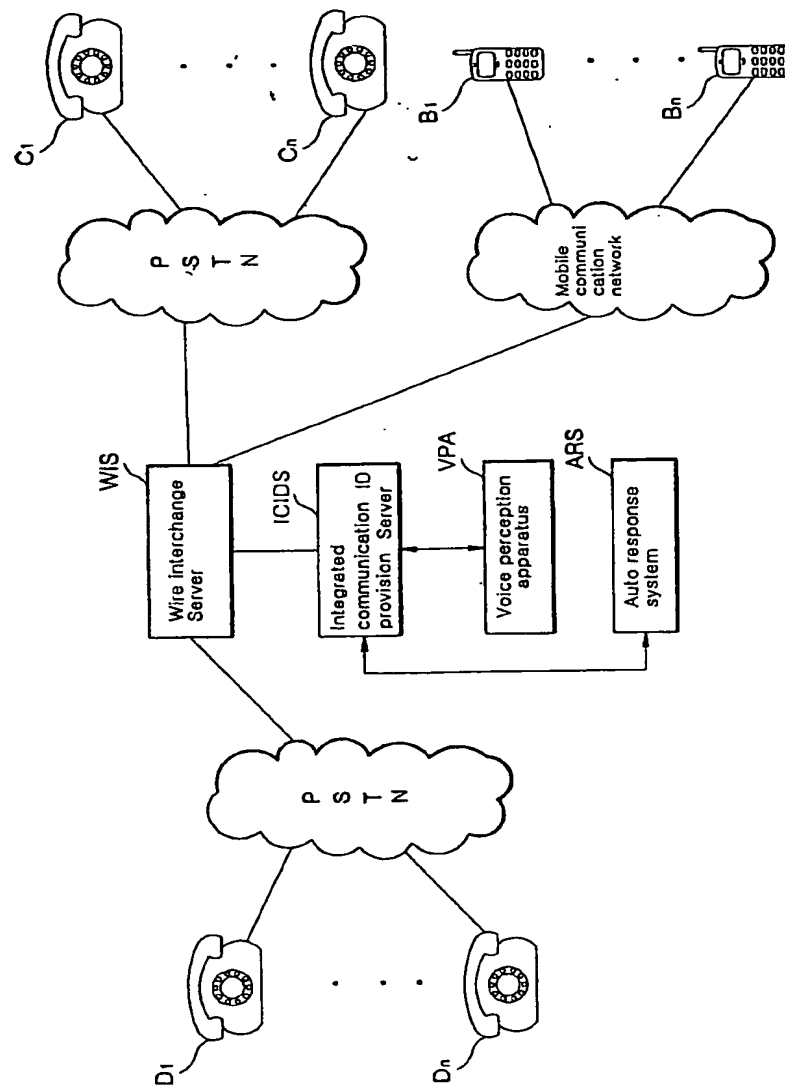


Fig. 18

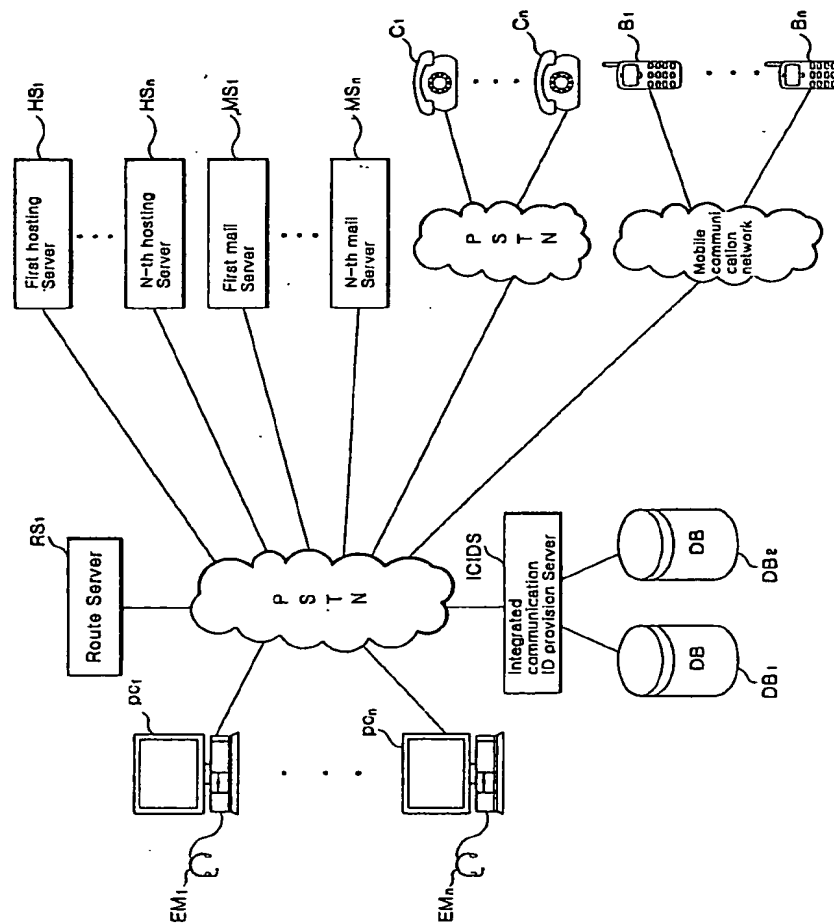


Fig. 19

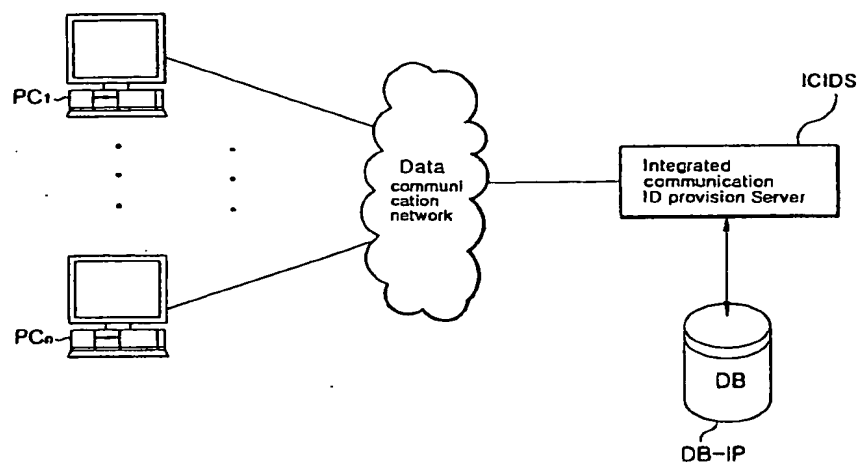
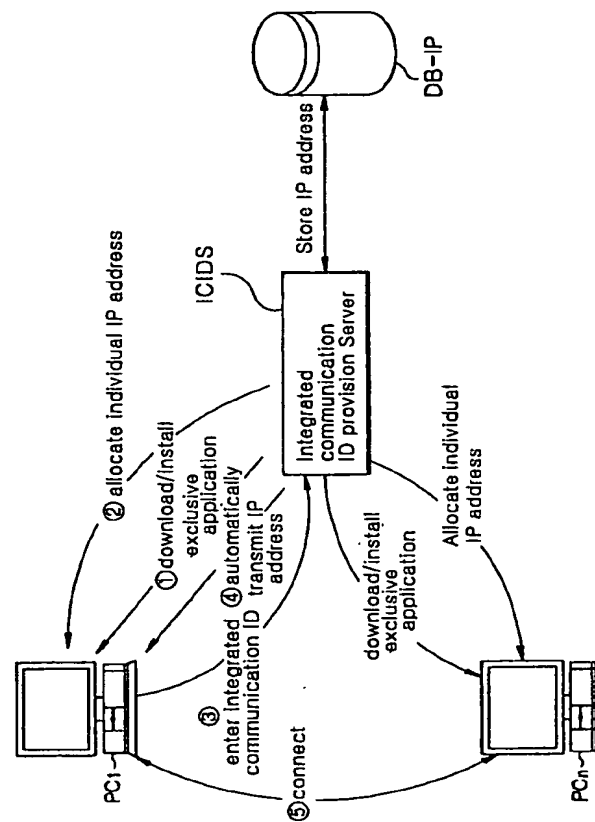


Fig. 20



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Fig. 21

